

Top Secret



DIRECTORATE OF
INTELLIGENCE

Imagery Analysis Staff Notes

28 July 1967

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The IMAGERY ANALYSIS STAFF NOTES is a periodic publication of the DDI Imagery Analysis Staff, the departmental PI organization of CIA.

This publication highlights significant or timely intelligence items derived from imagery.

The interpretations in this publication represent preliminary views which are subject to modification in the light of further information and more complete analysis.

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TOP SECRET

25X1

25X1

DDI IMAGERY ANALYSIS STAFF

CONTENTS

Page

USSR

Type of Electric Power Supplied to Probable
Long Range SAM Complexes 2

25X1

SINO-SOVIET BORDER

New Airfield Construction Along the Sino-Soviet
Border 5

25X1

NORTH VIETNAM

Photography Confirms Reports of Drought
Conditions 9

GENERAL INFORMATION

IAS Reports Approved for Release, 17-28 July 10

25X1

25X1

25X1

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TOP SECRET

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USSRType of Electric Power Supplied to Probable Long Range SAM Complexes

A study of the externally supplied power to selected PLRS complexes tends to confirm that the missile system now being deployed requires only a low voltage power source. The new complexes appear to be served by low voltage lines (less than 35 kv) and do not have large substations associated with them. This power input is consistent with the presence at the complexes of mobile generators which serve as an alternate source of power.

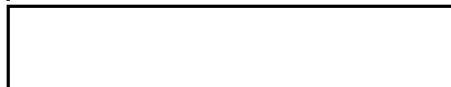
Of the examples examined, Cherepovets and Kostroma are served by a low voltage and a probable low voltage line, respectively. There are indicators that a low voltage line supplies power to the Liepaja Complex. Good quality [] photography of Nizhnyaya Tura, Kuressaare, and Sverdlovsk revealed no high voltage lines, rights-of-way or substations associated with these complexes.

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We have also examined the two operational complexes and the R&D sites at the Sary Shagan Missile Test Center and have found that they are all served by low voltage power.

These are in contrast to the power system at the original three complexes at Leningrad, which were constructed to handle a missile system which was abandoned and later replaced by the present system. Here the complexes are served by a 110 kv power line and each has a large associated substation. The Tallinn PLRS Complex, of intermediate design, has a complicated and unusual power system which cannot be explained by imagery analysis at this time but appears to be low voltage.

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-2-

TOP SECRET

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25X1

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TOP SECRET

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SINO-SOVIET BORDER

New Airfield Construction Along the Sino-Soviet Border

Two and probably three new Soviet airfields have been identified under construction near the Sino-Soviet Border on photography [REDACTED] [REDACTED] These include a confirmed airfield at Kumashkino (48-40N 083-40E), estimated to be 9000 feet in length when completed, and one at Kariksar (51-13N 115-50E), measuring approximately 9000 x 250 feet. The probable airfield is 4.5 nautical miles (nm) northeast of Novokiyevskiy Uval (51-43N 129-01E); its overall dimensions are approximately 14,900 by 1,300 feet.

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These three fields raise to ten the total of airfields newly identified under construction on the Soviet side of the border during the past year. One other has been identified in Mongolia. All have graded earth runways and lack significant support facilities. In addition, six Soviet airfields near the Chinese border are presently undergoing resurfacing or improvement of facilities: three in the Transbaykal area, one in the Far East and two in Turkestan.

On the Chinese side of the border, two new airfields with concrete runways have been constructed in the past year. One of these is at Wen-su in Sinkiang Province and the other at Wu-mao-chieh in Inner Mongolia.

See Figure 2 for the locations of the airfields discussed.

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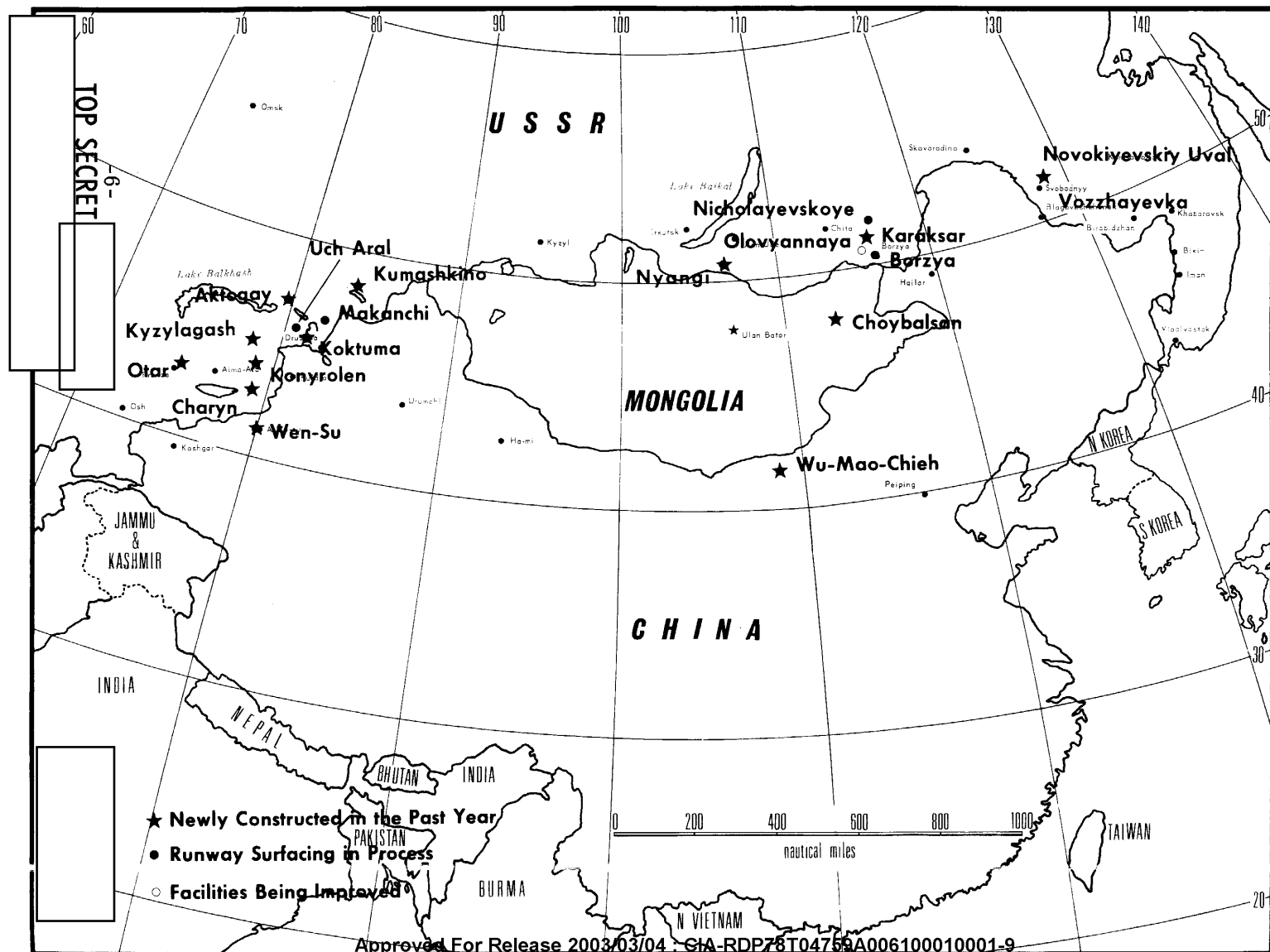


FIGURE 2 Airfield Construction Along the Sino-Soviet Border

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NORTH VIETNAM

Photography Confirms Reports of Drought Conditions

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Recent photographic coverage of North Vietnam provides evidence to confirm reports of drought conditions. Comparing photography with that of earlier years during the rainy period of the summer monsoon, we find that at present there are abnormally low water levels in the reservoirs and the Red and Black Rivers just above the Red River delta.

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An example of the low water levels can be seen in comparative photography of the Yen Khoai Reservoir, 25 nautical miles west-northwest of Hanoi. Its recent water level, shown in Figure 5a, can be compared with the water level as it usually appears during the summer monsoon period, in Figure 5b.

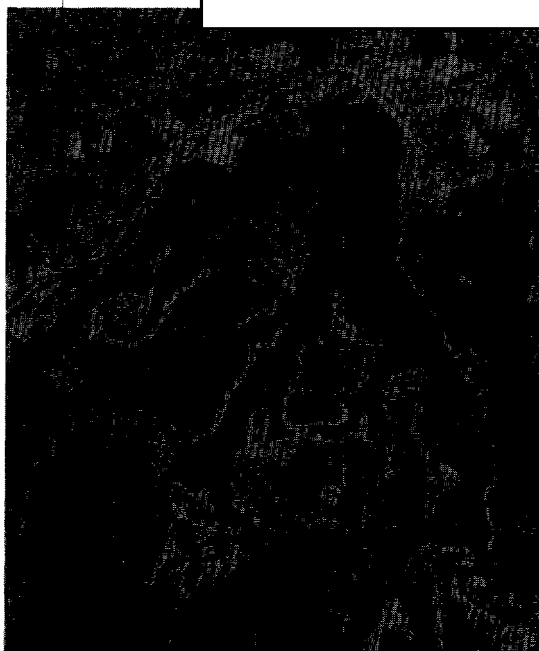
On the other hand, it is too early to determine what consequences the drought conditions might have on North Vietnam's rice crop. The rice fields in the lower Red River delta appear to have a normal water supply and the irrigation canals are filled with water. Future photographic coverage should reveal the persistency of the drought conditions.

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FIGURE 5a



FIGURE 5b



Yen Khoai Reservoir, North Vietnam

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TOP SECRET

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1. PIR 73048 [redacted] Petrovka Shipyard, Petrovka, USSR,

(Top Secret [redacted])

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2. PIR 73049 [redacted] Sudomekh Shipyard 196, Leningrad,

USSR, [redacted]

(Top Secret [redacted])

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3. PIR 73050 [redacted] Admiralty Shipyard 194, Leningrad,

USSR, [redacted]

(Top Secret [redacted])

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4. PIR 73051 [redacted] Petrovskiy Shipyard, Leningrad,

USSR, [redacted]

(Top Secret [redacted])

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5. PIR 73052 [redacted] Petrovskiy Shipyard, Leningrad,

USSR, [redacted]

Top Secret [redacted]

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6. PIR 75119 [redacted] Seismic Event of 30 September 1966

Near Karshi, USSR (Top Secret [redacted])

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7. IAR 83001 [redacted] Zhdanov Shipyard 190, Leningrad,

USSR, [redacted]

(Top Secret [redacted])

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8. IAR 83002 [redacted] Zhdanov Shipyard 190, Leningrad,

USSR, [redacted]

(Top Secret [redacted])

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9. IAR 83003 [redacted] Izhora Shipyard, Leningrad, USSR,

(Top Secret [redacted])

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10. IAR 83004 [redacted] Izhora Shipyard, Leningrad, USSR,

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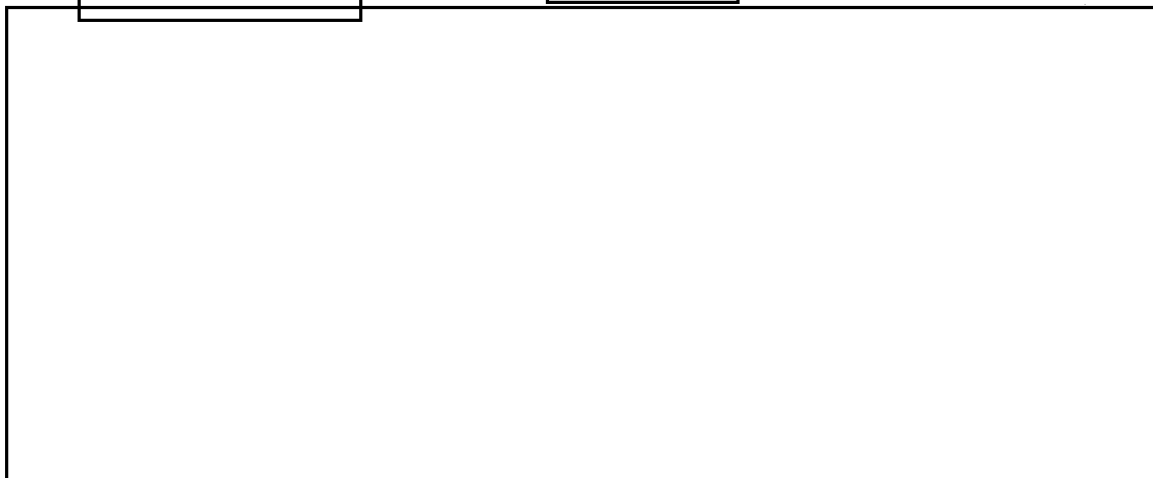
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12. IAR 83008 [redacted] Status of Military Forces Near the
Sino-Soviet Border, [redacted]
(Top Secret [redacted])

13. IAR 83009 [redacted] Status of Military Forces Near
the Sino-Soviet/Sino-Mongolian Border [redacted]
[redacted] Top Secret [redacted]

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